Honeywell

TrueDRY[™] DR120

Ventilating Dehumidification System

DR120 Capacities and Performance

Drizo Capacitie	s and ren	ormance
Part Number:	DR120A200	0
Blower:	350 CFM @ 0.0 in. WG 210 CFM @ 0.4 in. WG	
Supply Voltage:	120 VAC; 60	Hz.
Amps:	8.1 A	
Power transformer to R/C terminals:	r 24 VAC, 0.8	5A
Energy performance:	2.69 liters (5 kilowatt hou	5.7 pints) per r (KWH)
Refrigerant:	R-410A	
Operating Temp Ra (outside cabinet):		(1.1 – 57.2 °C)
Capacity: 65 pints/day (60 °F [1! 91 pints/day (70 °F [2: 120 pints/day (80 °F [2:	5.6 °C], 60 %R 1.1 °C], 60 %R 26.7 °C], 60 %I	H) H) RH)
Coverage:	Up to 3500 sq. ft.	
Duct Connections:	6 in. Supply 10 in. Round 10 in. Round (ABS Plastic	l Inlet I Outlet
Filter Efficiency:	Standard MERV-11	
Drain Connection:	3/4 in. threaded female NPT, with attached 3/4 in. threaded male NPT	
Dimensions (See Fi Width: Height: Length: Weight:	J. 1): 14-3/8 in. 21-3/16 in. 25-13/16 in. (without collars) 32-3/16 in. (with collars) 90 lbs (40.8 Kg)	
Shipping Specs Width: Height: Length: Weight:	18-1/2 in. 26-1/4 in. 35-1/2 in. 101 lbs (45.8	3 Kg)
Optional Parts Replacement Filter Motorized Ventilation Damper 10" Backdraft Damper Compressor Relay, 24 VAC, 30 A Compressor Run Capacitor 10" Duct Collar Fan Assembly Capacitor - Fan Capacitor - Fan		50070171-002 EARD6 SPRD10 50035445-014 50070205-001 50049536-005 50070205-002 50070205-003

Fan Relay, SPDT, 24 VAC, 15A

Transformer 120/24 VAC, 40 VA

ETL Listed. Energy Star Rated. Conforms to UL

For more information call 1-800-468-1502 or

visit our website at customer.honeywell.com.

Defrost Thermostat

Leveling Foot

Std. 474.



Fig. 1. Dimensions in in. (mm).

Honeywell TrueDRY Whole-House Dehumidifiers are designed to help maintain proper humidity levels in the home. Lower humidity levels feel more comfortable, and helps safeguard against problems from excess moisture in the home such as mold, mildew, warped wood, peeling of paint, or musty odors. Honeywell TrueDRY Whole Home Dehumidification Systems are Energy Star rated providing efficient and economical operation.

Dehumidification

The Honeywell TrueDRY DR120 dehumidifier utilizes refrigeration and internal air circulation to cool the incoming air stream below its dew point. Water condenses and drains off the coil, sending drier air back into the house.

- Can remove up to 120 pints/day of moisture.
- Energy Star rated
- Electrocoating reduces coil corrosion and helps prevent refrigerant leaks
- Top or side ducted exhaust
- Reduced noise during operation
- MERV 11 air filtration

Ventilation

50035445-011

50035445-013

50070204-002

50035445-019

The Honeywell TrueDRY DR120 has a separate control for ventilation, so the powerful onboard blower can be used to efficiently bring fresh air into the house even when dehumidification is not needed. The TrueDRY DR120 has a 6" supply side damper that can be used to duct in air from the outside, or closed if not needed.

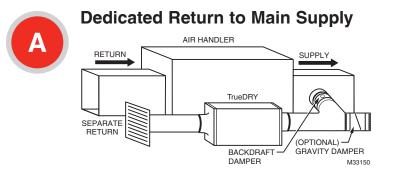
Simplified Wiring

The Honeywell TrueDRY DR120 dehumidifiers can be controlled by a variety of 24-volt remote wired and wireless controls.

The TrueDRY DR120 allows the use of a 24V normally closed float switch or water sensor to simplify installation in a drain pan. This will allow the external float switch to kill power to the compressor in the event of water blockage.

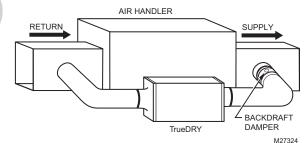


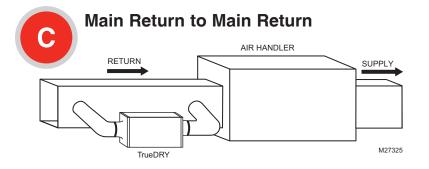
Installation Recommendations and Options

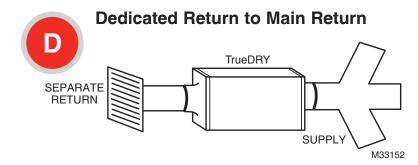




Main Return to Main Supply







Ideal when...

- Access to a dedicated central return for TrueDRY DR65 is available.
- Combined with A/C operation; requires backdraft damper on the exhaust port to minimize backdraft when TrueDRY DR65 is not on but A/C is.
- Providing dry air to a specific area with an optional 20% open gravity damper on TrueDRY DR65 supply.

Ideal when...

- Running TrueDRY DR65 when not running A/C. Requires damper on the exhaust port to minimize backdraft when TrueDRY DR65 is not on but A/C is.
- Access to a dedicated central return for TrueDRY DR65 is not available.
- System fan should run with dehumidifier for best results.

Ideal when...

- Running TrueDRY DR65 with A/C operation.
- System fan must run with dehumidifier.
- Minimizing discharge air temperature (DAT) increase is preferred.
- Access to a dedicated central return for TrueDRY DR65 is not available.

Ideal when...

• TrueDRY DR65 will not be ducted to a forced air HVAC system.

Automation and Control Solutions

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http://customer.honeywell.com

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